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P.02

D.W.

PTO/SB/21 (08-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

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Total Number of Pages in This Submission

15/15

Application Number	10/719,443
Filing Date	11/21/2003
First Named Inventor	S. Subramoney et al.
Art Unit	2166
Examiner Name	S. Channavajjala
Attorney Docket Number	P17257

ENCLOSURES (Check all that apply)

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form
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Incomplete Application
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under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
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of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)
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- Fax Transmittal |
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Intel Corporation		
Signature	/Guojun Zhou/Reg. No. 66,478/		
Printed name	Guojun Zhou		
Date	February 15, 2007	Reg. No.	66,478

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Derek S. Watson

Date

02/15/2007

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Page 1 of 15

Date: February 15, 2007

To:
Mail Stop ISSUE FEE

Fax:
(571) 273-2885

Art Unit:
2166

From:
Guojun Zhou
Intel Corporation

Fax:
(503) 264-1729

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JF3-147

Subject:
10/719,443

Docket Number:
P17257

Filing Date:
November 21, 2003

Inventor:
Subramoney et al.

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Date: February 15, 2007

Message:

Included in this Transmission:

- Facsimile Cover Sheet (1 page)
- Transmittal Form (1 page)
- Fee Transmittal (1 page submitted in duplicate)
- Amendment under Rule 1.312 (11 pages)

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Feb 15 2007 8:10 P.03

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008, OMB 0851-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	10/719,443
Filing Date	11/21/2003
First Named Inventor	S. Subramoney et al.
Examiner Name	S. Channavajjala
Art Unit	2166
Attorney Docket No.	P17257

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number 50-0221 Deposit Account Name: Intel Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims		
Extra Claims		
Fee (\$)		
Fee Paid (\$)		
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims		
Extra Claims		
Fee (\$)		
Fee Paid (\$)		
HP = highest number of independent claims paid for, if greater than 3.		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

SUBMITTED BY

Signature	/Guojun Zhou/Reg. No. 56,478/	Registration No. (Attorney/Agent) 56,478	Telephone 503-264-1700
Name (Print/Type)	Guojun Zhou		Date February 15, 2007

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of : Sreenivas Subramoney, et al.
Filed : November 21, 2003
Application No. : 10/719,443
TC/A.U. : 2166
Examiner : Srirama T Channavajjala

Docket No. : 42P17257
For : Method and System for Performing Concurrent
Mark-Sweep Garbage Collection by Invoking Garbage
Collection Thread to Track and Mark Live Objects in Heap
Block using Bit Vectors
Customer No. : 08791

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER RULE 1.312

Dear Sir:

In response to the Notice of Allowance of November 15, 2006, please refer to the following remarks regarding the above-identified application.

Amendments to the title: begin on page 2

Amendments to the specification: NONE

Amendments to the claims: begin on page 3

Amendments to the drawings: NONE

Remarks/Arguments: begin on page 11

Amendments to the Title

Please replace the title with the following amended title:

Method and System ~~Performing Concurrently~~ For Performing Concurrent
Mark-Sweep Garbage Collection ~~Invoking~~ by Invoking Garbage Collection
Thread to Track and Mark Live objects in Heap Block using ~~Bit Vectors~~ Bit
Vectors